

Sheet #1

Internal Memory

- 1) What is the difference between DRAM and SRAM in terms of application?
- 2) What is the difference between DRAM and SRAM in terms of characteristics such as speed, size, and cost?
- 3) What are the difference types of ROM?
- 4) What are the differences among EPROM, EEPROM, and flash memory?
- 5) A computer employs RAM chips of 256 x8 and ROM chips of 1024x8. The computer system needs 1K bytes of RAM, 2K bytes of ROM. Draw the complete diagram for such system. Show how the address is organized.
- 6) Assume that a computer system has 512 bytes of RAM and 512 bytes of ROM. How CPU deal with RAM and ROM? Draw memory organization block diagram.
- 7) A computer employs RAM chips of 128 x8 and ROM chips of 512x8. The computer system needs 1K bytes of RAM, 1K bytes of ROM. Draw the complete diagram for such system. Show how the address is organized.
- 8) A computer employs RAM chips of 1024 x8 and ROM chips of 512x8. The computer system needs 1K bytes of RAM, 1K bytes of ROM. Draw the complete diagram for such system. Show how the address is organized.
- 9) A computer employs RAM chips of 512 x8 and ROM chips of 1024x8. The computer system needs 1K bytes of RAM, 1K bytes of ROM. Draw the complete diagram for such system. Show how the address is organized.